PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORTON PATENTARIO

PCT

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	HER ACTION See Form PCT/IPEA/416			,
International application No. PCT/JP 03 / 13507	International filing date (da		Priority date (day/month/year) 23.10.2002		;
			23.10.	2002	1
International Patent Classification (IPC) of Int. Cl. 2 CO7D 231/38	or national classification and	i IPC	•		
Int.Cl 7 C07D 231/36	•	٠		•	
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Applicant BANYU PHARMACEUTI	CAL CO., LT	,		1	·
BANIO PHARMACEUII	CAL CO., HI	·			
This report is the international p Authority under Article 35 and t	preliminary examination re	port, established baccording to Article	y this International Prelimi e 36.	nary Ex	amining
2. This REPORT consists of a total	of 4 sheets, in	cluding this cover s	sheet.		·
3. This report is also accompanied	by ANNEXES, comprising				· ·
a. a total of	_sheets, as follows:		•		
and/or sheets of	escription, claims and/or dra containing rectifications aut e Instructions).	wings which have norized by this Aut	been amended and are the banding (see Rule 70.16 and S	asis of the ection 6	nis report 07 of the
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
		corrier(c))			
b. a total of (indicate type containing a sequence	e and number of electronic e listing and/or tables relat	ed thereto, in comp	outer readable form only, as	indicat	ed in the
Supplemental Box Re	lating to Sequence Listing	(see Section 802 of	the Administrative Instruct	ions).	
4. This report contains indications	relating to the following iter	ms:			
Box No. I Basis of the	ne report		•		
Box No. II Priority		•	`	•	
Box No. III Non-estab	lishment of opinion with re	gard to novelty, in	ventive step and industrial a	pplicabi	lity ·
Box No. IV Lack of u	nity of invention		\cdot		, -
Box No. V Reasoned citations a	statement under Article 35(2 nd explanations supporting	l) with regard to nov such statement	velty, inventive step or industry	rial appl	icability;
Box No. VI Certain do	ocuments cited	•	•	:	
Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
Date of submission of the demand		Date of completion	on of this report		
31.03.2004 07.12.2004					
Name and mailing address of the IPEA/JP		Authorized office	T	4P	8213
Japan Patent Office HITOSHI WATANABE					
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan Telephone No. +81-3-3581-1101 Ext. 3490					
Form PCT/IPEA/409 (cover sheet) (Janu		-	• • •		



International application No. PCT/JP03 /13

/13507

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: International search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not amoved to this report):	Box No. I	Basis of the report
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	* If item 4 ap	plies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP03 / 13507

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability	y;
•	citations and explanations supporting such statement	

1	Statement
	Statement

Novelty (N)	Claims	1-45	YES
	Claims	none	NO
Inventive step (IS)	Claims	27-41	YES
	Claims	1-26,42-45	NO
Industrial applicability (IA)	Claims	1-45	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1:

Folli, U., et al., "Effect of the structure of metallized pyrazole-monoazo dyes on their chromatic behavior", Journal of the Society of Dyers and Colourists (1980), 96(8), pp414-17

1-(2'-chlorophenyl)-3-aminopyrazole as Compound # IV is disclosed.

Document 2:

Genin,M.J.,et al., "Substituent effects on the antibacterial activity of nitrogen-carbon-linked (azolylphenyl)oxazolidinones with expanded activity against the fastidious Gram-negative organisms Haemophilus influenzae and Moraxella catarrhalis", Journal of Medicinal Chemistry (2000), 43(5), pp953-970

Compound #62 is disclosed.

Documentst 3:

ZAYED, E.M., et al., "Activated Nitriles in Heterocyclic Synthesis. Novel Synthesis of Pyrazols. Pyridones and Pyrrolo[2,3-b]pyridones", Organic Preparations and Procedures International 17(1) pp70-5 (1985)

The following scheme is shown:



International application No.
PCT/JP 03 / 13507

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box No. 5

Claims 1-26,42-45

Claims 1-26 and 42-45 lack an inventive step as being obvious over Document 3. In order to produce a compound I' of this application, one with skill in the art would easily adopt the scheme in Document 3 because of the similarity of the compounds (namely compound VII of Document 3 v.s. compound I' of this application), then use compound V of this application instead of compound VI of Document 3. It is merely what one with skill in the art would ordinarily do to find out the suitable reaction conditions (such as reaction tempreature, solvent and so on), and the reaction conditions this application specifies may not be regarded as the one not to be foreseen.

Claims 27-41.

Claims 27-41 have novelty and an inventive step.

The structurally closest compounds are disclosed in Document 1 and Document 2. However, compound 1-4 and compound 2-1 of this application are neither shown in Document 1 or Document 2, nor obvious over Document 1 or Document 2.